Reference Table (This table is only provided for reviewers)

L3_id	req_ key	req_title	L3-text	RbR_id	req_ key	RbR-text	L4_id	req_ key	L4-text
PGS-1300	1544	PGS ~~four times~~ processing capacity	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.	PGS-1300#A	6946	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.	S-DPS-60230	4684	The SPRHW CI shall provide a phased capacity to support: a. for pre-launch AI&T at launch minus 2 years: 0.3 X, where X is defined as the at-launch processing estimate b. for pre-launch AI&T and System I&T at-launch minus 1 year: 1.2 X, where X is defined as the at-launch processing estimate c. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 1 year: 2.2 X, where X is defined as the standard processing estimate for that period d. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 2 years: 4.2 X, where X is defined as the standard processing estimate for that period.
							S-DPS-60240	9208	The SPRHW CI shall support a total processing requirement as derived from Table E-1 of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.

Reference Table (continue)

L3_id	req_ key	req_title	L3-text	RbR_id	req_ key	RbR-text	L4_id	req_ key	L4-text
				PGS-1300#B	6195	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.	S-DPS-60230	4684	The SPRHW CI shall provide a phased capacity to support: a. for pre-launch AI&T at launch minus 2 years: 0.3 X, where X is defined as the at-launch processing estimate b. for pre-launch AI&T and System I&T at-launch minus 1 year: 1.2 X, where X is defined as the at-launch processing estimate c. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 1 year: 2.2 X, where X is defined as the standard processing estimate for that period d. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 2 years: 4.2 X, where X is defined as the standard processing estimate for that period.
							~~S-DPS-60242~~	~~8701~~	~~The SPRHW CI processing shall be sized in accordance with processing requirements derived from Appendix E (Section E.2 Table E-2) of the current version of 304-CD-005.~~
							S-DPS-60240	9208	The SPRHW CI shall support a total processing requirement as derived from Table E-1 of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.

Reference Table (continue)

L3_id	req_key	req_title	L3-text	RbR_id	req_key	RbR-text	L4_id	req_key	L4-text
~~PGS-1310~~	~~1545~~	~~PGS processing cap. for EOS data~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~	~~PGS-1310#A~~	~~6948~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~	~~S-DPS-60240~~	9208	The SPRHW CI shall support a total processing requirement as derived from Table E-1 of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.
				~~PGS-1310#B~~	~~6197~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~	~~S-DPS-60242~~	~~8701~~	~~The SPRHW CI processing shall be sized in accordance with processing requirements derived from Appendix E (Section E.2 Table E-2) of the current version of 304-CD-005.~~
							~~S-DPS-60240~~	9208	The SPRHW CI shall support a total processing requirement as derived from Table E-1 of Appendix E of the current version of 304-CD-002 for Release A and Appendix E of the current version of 304-CD-005 for Release B.

Change Table.1: This table identifies modifications to existing Level3 F&PRS Requirement as identified in RTM Baseline version 091696

L3_id	req_key	text	req_title
PGS-1300	1544	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.	PGS ~~four times~~ processing capacity

Change Table.2: This table identifies modifications to existing RbR Requirements as identified in RTM Baseline version 091696

RbR_id	req_key	seg_allocation	req_type	s_ver_m	s_ver_s	a_ver_m	a_ver_s	req_category	text
PGS-1300#B	6195	SDPS	performance	analysis	un-verified	analysis	un-verified	~~mission essential~~ mission critical	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.
PGS-1300#A	6946	SDPS	performance	analysis	un-verified	analysis	un-verified	mission essential	Each PGS shall provide a processing capacity ~~four times the size necessary to process all EOS science data for which it is responsible,~~ as shown in Table C-5 of Appendix C. ~~except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.~~ It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. This ~~The four times~~ processing capacity accounts for: a. ~~1 times to allow for~~ normal processing demands b. ~~2 times to allow for~~ reprocessing demands c. ~~1 times to allow for~~ algorithm integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new

Rb R_id	req_ key	seg_ alloc ation	req_ty pe	s_ver_ m	s_ver_s	a_ver_ m	a_ver_ s	req_ categor y	text
									search and access techniques developed by science users~~, and additional loads due to spacecraft overlap~~.

Deletion Table. 3: This table identifies deletions to existing Level3 F&PRS and RbR Requirements as identified in RTM Baseline version 091696

L3_id	req_key	text	req_title
~~PGS-1310~~	~~1545~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~	~~PGS processing cap. For EOS data~~

Deletion Table. 4: This table identifies deletions to existing RbR Requirements as identified in RTM Baseline version 091696

RbR_id	req_key	seg_allocation	req_type	s_ver_m	s_ver_s	a_ver_m	a_ver_s	req_category	text
~~PGS-1310#A~~	~~6948~~	~~SDPS~~	~~performance~~	~~analysis~~	~~un-verified~~	~~analysis~~	~~un-verified~~	~~mission essential~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~
~~PGS-1310#B~~	~~6197~~	~~SDPS~~	~~performance~~	~~analysis~~	~~un-verified~~	~~analysis~~	~~un-verified~~	~~mission essential~~	~~The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and instrument processing load requirements (MFLOPS) assigned to each DAAC.~~

Deletion Table. 5: This table identifies deletions to existing Level4 Requirement as identified in RTM Baseline version 091696.

L4_id	req_key	L4-text
~~S-DPS-60242~~	~~8701~~	~~The SPRHW CI processing shall be sized in accordance with processing requirements derived from Appendix E (Section E.2 Table E-2) of the current version of 304-CD-005.~~

Note : For L4 class requirements the verification_status is “un_verified”.